

## Abstract

This invention relates to an isolated DNA molecule encoding a *Sox-9* gene which codes for the *Sox-9* polypeptide. The human *SOX-9* gene has been mapped to  
5 chromosome 17 in the same region as CMPD-1, the locus for Campomelic Dysplasia (CD). *Sox-9* appears to have a role in mammalian skeletal development, and is used in the treatment of diseases involving bone or cartilage deficiency.